

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09919736 on February 11, 2003

- 12 370/401 (3 OR, 9 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/400 ..Having a plurality of nodes performing distributed switching
370/401 ...Bridge or gateway between networks
- 11 709/250 (3 OR, 8 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/250 .Network-to-computer interfacing
- 10 709/236 (5 OR, 5 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/230 .Computer-to-computer protocol implementing
709/236 ...Computer-to-computer data framing
- 8 709/228 (2 OR, 6 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/227 .Computer-to-computer session/connection establishing
709/228 ..Session/connection parameter setting
- 8 709/230 (3 OR, 5 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/230 .Computer-to-computer protocol implementing
- 8 709/245 (3 OR, 5 XR)
Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
709/200 MULTICOMPUTER DATA TRANSFERRING
709/245 .Computer-to-computer data addressing
- 7 370/392 (5 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/392 ..Processing of address header for routing, per se
- 7 370/402 (2 OR, 5 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING

370/389 ..Switching a message which includes an address
 header
 370/400 ..Having a plurality of nodes performing
 distributed switching
 370/401 ...Bridge or gateway between networks
 370/402 Bridge between bus systems

⑦ 370/469 (1 OR, 6 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/464 COMMUNICATION TECHNIQUES FOR INFORMATION
 CARRIED IN PLURAL CHANNELS
 370/465 ..Adaptive
 370/469 ..Processing multiple layer protocols

6 370/474 (0 OR, 6 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having
 multiple packets
 370/474 ..Assembly or disassembly of messages having
 address headers

5 370/447 (0 OR, 5 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/431 CHANNEL ASSIGNMENT TECHNIQUES
 370/445 ..Carrier sense multiple access (CSMA)
 370/447 ..Arbitration for access between contending
 stations

5 370/463 (1 OR, 4 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/431 CHANNEL ASSIGNMENT TECHNIQUES
 370/463 ..Details of circuit or interface for connecting
 user to the network

5 709/203 (1 OR, 4 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/201 ..Distributed data processing
 709/203 ..Client/server

④ 370/231 (2 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/229 DATA FLOW CONGESTION PREVENTION OR CONTROL
 370/230 ..Control of data admission to the network
 370/231 ..End-to-end flow control

4 370/389 (3 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/351 PATHFINDING OR ROUTING
 370/389 ..Switching a message which includes an address
 header

4 370/409 (1 OR, 3 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/351 PATHFINDING OR ROUTING
 370/389 ..Switching a message which includes an address

header

370/400 ..Having a plurality of nodes performing distributed switching

370/409 ...Employing logical addressing for routing (e.g., VP or VC)

4 370/471 (1 OR, 3 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/464 COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS

370/465 .Adaptive

370/470 ..Frame length

370/471 ...Message having an address header

4 709/213 (0 OR, 4 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/213 .Multicomputer data transferring via shared memory.

4 709/222 (2 OR, 2 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/220 .Network computer configuring

709/222 ..Initializing

4 709/224 (1 OR, 3 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/223 .Computer network managing

709/224 ..Computer network monitoring

4 709/238 (1 OR, 3 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/238 .Computer-to-computer data routing

4 709/249 (4 OR, 0 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/249 .Multiple network interconnecting

3 340/825.52 (2 OR, 1 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/825.52 .Addressing

3 370/236 (0 OR, 3 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/229 DATA FLOW CONGESTION PREVENTION OR CONTROL

370/235 .Flow control of data transmission through a network

370/236 ..Including signaling between network elements

3 370/410 (0 OR, 3 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/351 PATHFINDING OR ROUTING
 370/389 .Switching a message which includes an address
 header
 370/400 ..Having a plurality of nodes performing
 distributed switching
 370/410 ...Having a signaling feature

3 709/215 (2 OR, 1 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/213 .Multicomputer data transferring via shared
 memory
 709/215 ..Partitioned shared memory

3 709/218 (1 OR, 2 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/217 .Remote data accessing
 709/218 ..Using interconnected networks

3 709/220 (0 OR, 3 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/220 ..Network computer configuring

3 709/225 (0 OR, 3 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/223 ..Computer network managing
 709/225 ..Computer network access regulating

3 709/226 (0 OR, 3 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/223 ..Computer network managing
 709/226 ..Network resource allocating

3 709/227 (2 OR, 1 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 709/200 MULTICOMPUTER DATA TRANSFERRING
 709/227 ..Computer-to-computer session/connection
 establishing

3 709/232 (0 OR, 3 XR)
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

- 709/200 MULTICOMPUTER DATA TRANSFERRING
 - 709/230 .Computer-to-computer protocol implementing
 - 709/232 ..Computer-to-computer data transfer regulating
- 3 709/233 (0 OR, 3 XR)
- Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 - 709/200 MULTICOMPUTER DATA TRANSFERRING
 - 709/230 .Computer-to-computer protocol implementing
 - 709/232 ..Computer-to-computer data transfer regulating
 - 709/233 ...Transfer speed regulating
- 3 709/234 (1 OR, 2 XR)
- Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 - 709/200 MULTICOMPUTER DATA TRANSFERRING
 - 709/230 .Computer-to-computer protocol implementing
 - 709/232 ..Computer-to-computer data transfer regulating
 - 709/234 ...Data flow compensating
- 3 709/246 (1 OR, 2 XR)
- Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
 - 709/200 MULTICOMPUTER DATA TRANSFERRING
 - 709/246 .Computer-to-computer data modifying
- 3 710/52 (0 OR, 3 XR)
- Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT
 - 710/1 INPUT/OUTPUT DATA PROCESSING
 - 710/52 .Input/Output data buffering
- 3 714/748 (0 OR, 3 XR)
- Class 714 : ERROR DETECTION/CORRECTION AND FAULT
DETECTION/RECOVERY
 - 714/699 PULSE OR DATA ERROR HANDLING
 - 714/746 .Digital data error correction
 - 714/748 ..Request for retransmission
- 2 340/825.51 (0 OR, 2 XR)
- Class 340 : COMMUNICATIONS: ELECTRICAL
 - 340/825 SELECTIVE
 - 340/825.5 .Lockout or priority (programmed or variable)
 - 340/825.51 ..Designated priority
- 2 370/219 (2 OR, 0 XR)
- Class 370 : MULTIPLEX COMMUNICATIONS
 - 370/216 FAULT RECOVERY
 - 370/217 .Bypass an inoperative switch or inoperative
element of a switching system
 - 370/218 ..Packet switching system or element
 - 370/219 ...Standby switch

2 370/235 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/229 DATA FLOW CONGESTION PREVENTION OR CONTROL
370/235 .Flow control of data transmission through a network

2 370/252 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION)
370/252 .Determination of communication parameters

2 370/385 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/357 .Through a circuit switch
370/360 ..Switching control
370/384 ...Having a supervisory signaling feature
370/385Having a separate signaling network

2 370/397 (1 OR, 1 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/395.1 ..Message transmitted using fixed length packets (e.g., ATM cells)
370/396 ...Distributed switching
370/397Employing logical addressing for routing (e.g., VP or VC)

2 370/404 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/400 ..Having a plurality of nodes performing distributed switching
370/401 ...Bridge or gateway between networks
370/402Bridge between bus systems
370/403At least one bus is a ring network
370/404Ring or loop forms backbone for interconnecting other networks

2 370/419 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header
370/419 ..Input or output circuit, per se (i.e., line interface)

2 370/420 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address header

370/419 ..Input or output circuit, per se (i.e., line interface)
 370/420 ...For connecting plural subscribers to a network (i.e., network termination)

2 370/428 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/351 PATHFINDING OR ROUTING
 370/428 .Store and forward

2 370/438 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/431 CHANNEL ASSIGNMENT TECHNIQUES
 370/438 .Using a separate control line or bus for access control

2 370/445 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/431 CHANNEL ASSIGNMENT TECHNIQUES
 370/445 .Carrier sense multiple access (CSMA)

2 370/462 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/431 CHANNEL ASSIGNMENT TECHNIQUES
 370/462 .Arbitration for access to a channel

2 370/466 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/464 COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
 370/465 .Adaptive
 370/466 ..Converting between protocols

2 370/468 (0 OR, 2 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/464 COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
 370/465 .Adaptive
 370/468 ..Assignment of variable bandwidth or time period for transmission or reception

2 370/524 (1 OR, 1 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/473 ..Transmission of a single message having multiple packets
 370/498 .Combining or distributing information via time channels
 370/522 ..Signaling (ancillary to main information)
 370/524 ...Using a dedicated signaling channel (i.e., D-channel)

2 706/25 (2 OR, 0 XR)
 Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE
 706/15 NEURAL NETWORK
 706/25 .Learning method

2 706/31 (0 OR, 2 XR)

	Class	706	:	DATA PROCESSING: ARTIFICIAL INTELLIGENCE
		706/15		NEURAL NETWORK
		706/26		.Structure
		706/27		..Architecture
		706/31		...Multilayer feedforward
2	709/200		(1 OR, 1 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
				SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
		709/200		MULTICOMPUTER DATA TRANSFERRING
2	709/217		(0 OR, 2 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
				SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
		709/200		MULTICOMPUTER DATA TRANSFERRING
		709/217		.Remote data accessing
2	709/219		(0 OR, 2 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
				SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
		709/200		MULTICOMPUTER DATA TRANSFERRING
		709/217		.Remote data accessing
		709/219		..Accessing a remote server
2	709/229		(1 OR, 1 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
				SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
		709/200		MULTICOMPUTER DATA TRANSFERRING
		709/227		.Computer-to-computer session/connection establishing
		709/229		..Network resources access controlling
2	709/235		(0 OR, 2 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
				SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
		709/200		MULTICOMPUTER DATA TRANSFERRING
		709/230		.Computer-to-computer protocol implementing
		709/232		..Computer-to-computer data transfer regulating
		709/235		...Congestion avoiding
2	709/237		(1 OR, 1 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
				SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
		709/200		MULTICOMPUTER DATA TRANSFERRING
		709/230		.Computer-to-computer protocol implementing
		709/237		..Computer-to-computer handshaking
2	709/243		(1 OR, 1 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
				SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
		709/200		MULTICOMPUTER DATA TRANSFERRING
		709/238		.Computer-to-computer data routing
		709/243		..Decentralized controlling
2	709/253		(0 OR, 2 XR)	
	Class	709	:	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING

		SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING
	709/200	MULTICOMPUTER DATA TRANSFERRING
	709/253	.Based computer networking
2	710/106	(1 OR, 1 XR)
	Class 710 :	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT
	710/100	INTRASYSTEM CONNECTION (E.G., BUS AND BUS TRANSACTION PROCESSING)
	710/105	.Protocol
	710/106	..Using transmitter and receiver
2	710/56	(2 OR, 0 XR)
	Class 710 :	ELECTRICAL COMPUTERS AND DIGITAL DATA PROCESSING SYSTEMS: INPUT/OUTPUT
	710/1	INPUT/OUTPUT DATA PROCESSING
	710/52	.Input/Output data buffering
	710/56	..Buffer space allocation or deallocation
2	711/118	(2 OR, 0 XR)
	Class 711 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY
	711/100	STORAGE ACCESSING AND CONTROL
	711/117	.Hierarchical memories
	711/118	..Caching
2	711/122	(0 OR, 2 XR)
	Class 711 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY
	711/100	STORAGE ACCESSING AND CONTROL
	711/117	.Hierarchical memories
	711/118	..Caching
	711/119	...Multiple caches
	711/122Hierarchical caches
2	714/4	(0 OR, 2 XR)
	Class 714 :	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/100	DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING
	714/1	.Reliability and availability
	714/2	..Fault recovery
	714/3	...By masking or reconfiguration
	714/4Of network
2	714/807	(0 OR, 2 XR)
	Class 714 :	ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY
	714/699	PULSE OR DATA ERROR HANDLING
	714/799	.Error/fault detection technique
	714/807	..Check character